

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:** Casey, William**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-028848**Date Inspected:** 09-Dec-2012**Project Name:** SAS Superstructure**OSM Arrival Time:** 700**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1530**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Job Site**CWI Name:** See below.**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** OBG**Summary of Items Observed:**

Quality Assurance Inspector (QA) Fritz Belford was at the American Bridge/Fluor (ABF) job site at Yerba Buena Island in California between the times noted above in order to monitor Quality Control functions and the in process work being performed by ABF personnel. The following items were observed:

Welder Xiao Hua Luo #1291:

Welder was observed performing exterior base metal weld repairs on the "D" plate in way of the OBG to cradle contact surface (See location below). Welder was observed utilizing Welding Procedure Specifications (WPS) ABF-WPS-D15-1000 Repair and pre heating the repairs prior to welding. Welding parameters as verified by QC Inspector Bernard Docena appear to be in compliance with the WPS noted above.

Weld Repair Locations:

- East Bound OBG "D" Plate at PP32.
- East Bound OBG "D" Plate at PP34.
- East Bound OBG "D" Plate at PP38.
- East Bound OBG "D" Plate at PP40.
- East Bound OBG "D" Plate at PP44.
- East Bound OBG "D" Plate at PP46.

This QA also observed QC Inspector Bernard Docena perform Magnetic Particle Testing on weld repairs as they are completed.

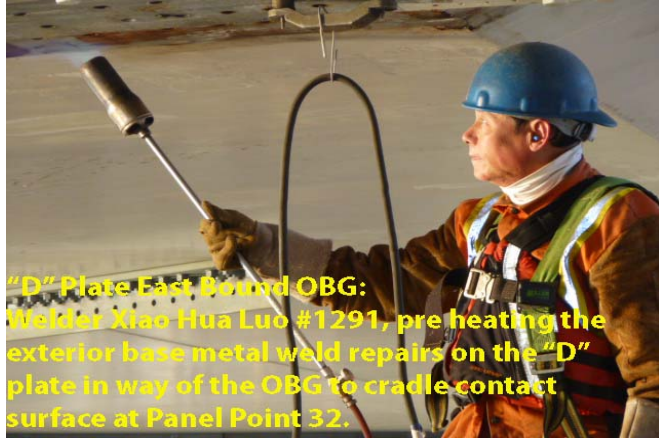
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## WELDING INSPECTION REPORT

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Unless otherwise noted, all work observed on this date appeared to generally comply with applicable contract documents.



**"D" Plate East Behind OBG:**  
Welder Xiao Hua Luo #1291, pre heating the exterior base metal weld repairs on the "D" plate in way of the OBG to cradle contact surface at Panel Point 32.



**"D" Plate East Bound OBG:**  
Welder Xiao Hua Luo #1291, performing exterior base metal weld repairs on the "D" plate in way of the OBG to cradle contact surface at Panel Point 32.

### Summary of Conversations:

Conversations this day as required for scope of work.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Gary Thomas - (916) 764 - 6027, who represents the Office of Structural Materials for your project.

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| <b>Inspected By:</b> | Belford,Fritz | Quality Assurance Inspector |
| <b>Reviewed By:</b>  | Reyes,Danny   | QA Reviewer                 |

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